



ENVIRONMENTAL CONSULTANTS

300 S. WACKER DRIVE, SUITE 2050
CHICAGO, IL 60606
(P) 312.465.1740
(F) 262.523.9001

**Crawford Station MGP Site
Chicago, Illinois**

Weekly Field Progress Report

Report Date: August 14, 2012

Prepared By: Natural Resource Technology, Inc.
Ronald J. Horan, PG
Timothy B. Norris, PG
John M. Nardozzi, PE

Submitted To: Integrys Business Support, LLC
Naren M. Prasad, PE

Activity Period: August 5, 2012 through August 11, 2012

The following summarizes the environmental field activities performed by NRT on behalf of IBS at the former Crawford Station MGP site Time Critical Removal Action (AOC V-W-11-C-981):

<i>Tasks</i>	<i>Environmental Activities</i>
General Description of Work Performed	<p>The following activities were conducted:</p> <ul style="list-style-type: none">• Tecnica continued to backfill and compact Area L, Area M, Area AA and Area N. Tecnica began backfilling and compacting in Area S and Potential Removal Area (PRA) south of Area S.• Tecnica completed the excavation of Area S and the PRA south of Area S to a depth of 14'. Tecnica excavated the western portion of Area U to its design depth of 14' and was still excavating this area at the end of the week.• North Shore Environmental and Cabeno Environmental Services were on-site on Wednesday to locate on-site pipelines and to perform exploratory borings in the vicinity of these pipelines to determine the extent of impact in the vicinity of these pipelines. Additional work is being planned for Monday, August 13.• Rusmar foam paired with an odor mitigation system along the western fence line was utilized daily to mitigate odors. Woodchips were also utilized as needed for additional odor control.• Excavated soils were loaded and transported to Waste Management's Laraway Road RDF landfill for disposal. A total of 10,728 tons of material was disposed of at the landfill bringing the overall project total to 253,696 tons.

General Description of Work Performed (cont.)	<ul style="list-style-type: none"> Utilized GPS to locate pertinent items and features. NRT conducted air monitoring activities for PM₁₀ through the use of DustTraks, 12-hour time-weighted samples for BTEX and Naphthalene through the use of SUMMAs, and real time VOC concentrations using PIDs. Additionally, no odor/dust issues were noted at the perimeter of the site.
Tasks	Environmental Activities
Sampling Activities Performed:	<p>NRT conducted the following sampling activities:</p> <ul style="list-style-type: none"> DustTraks collected particulate data each day and data has been downloaded for analysis. Three post-excavation floor samples were collected. One was collected at 14' from the PRA south of Area S (EB-146), and two were collected at 14' from Area U (EB-147 and EB-148). These samples will be analyzed for constituents listed in the RAWP for post-excavation. One post-excavation wall sample was collected. This sample was taken from the southern wall in the PRA south of Area S (EW-38). This sample will be analyzed for constituents listed in the RAWP for post-excavation. Three SUMMA canisters were deployed on August 8, 2012 and sent to TestAmerica Laboratory for BTEX and naphthalene analysis. Three wastewater samples were collected to analyze the efficiency of the GAC filters. One sample was taken after the OWS system, one sample was taken after GAC #1, and one sample was taken after GAC #2.
NRT Field Personnel	Ron Horan, Tim Norris, and Vince Giuliani
Equipment Deployed:	SUMMA Canisters DustTraks PIDs Multi-gas meter
Field Photos	See attached sheets

Additional site activities:

Water is being pumped from the open excavations as needed. Water is sent through the Water Treatment System and discharged into the City of Chicago sewer for discharge into the MWRD system.

Work planned for the coming week, August 12, 2012 through August 18, 2012, is as follows:

- Provide oversight for the continuing excavation of Area U, Area T and Area TA.
- Take additional floor and wall samples in Area U, Area T, and Area TA as they become available. If soils are amended in association with Area TA, samples will be taken.
- Conduct full scale air monitoring consisting of one 12-hour SUMMA can sampling event per week. The days of the 12-hour sampling will be determined to coincide with excavation activities.
- Receive and review post-excavation confirmation, post-amendment, and air sampling data from TestAmerica.

A weekly field progress report will continued to be issued throughout the duration of field activities for this Time Critical Removal Action. A written report summarizing the results and findings of the Removal Action will be provided following completion of all field activities.

A summary of the construction activities as detailed by the Construction Manager have been included with this report as Attachment 1.

Please feel free to contact us if you have any questions.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.



Timothy B. Norris, PG
Geologist

Attachment 1: Burns and McDonnell Construction Management Report

Field Photos:



Photo 1: Excavation of Area S and the PRA south of Area S

Direction: Facing north.

Photo Date: 8/7/2012

Photo Taken By: RJH



Photo 2: Hand compaction of the City of Chicago 18' x 14.4' sewer.

Direction: Facing northwest.

Photo Date: 8/7/2012

Photo Taken By: RJH



Photo 3: Area U Excavation with Rusmar foam.

Direction: Facing northeast.

Photo Date: 8/8/2012

Photo Taken By: RJH

Field Photos (continued):



Photo 4: Geoprobe and vacuum excavation activities locating on-site pipelines.

Direction: Facing east.

Photo Date: 8/8/2012

Photo Taken By: RJH



Photo 5: General view of the site.

Direction: Facing west.

Photo Date: 8/9/2012

Photo Taken By: RJH



1431 Opus Place, Suite 400
Downers Grove, Illinois 60515

Week of: 8/05/12 to 8/11/12

**Subject: Site Remediation – Construction Management
Peoples Gas – Former Crawford Station**

Burns & McDonnell Personnel Onsite

Site Construction Manager

- Bal Berena

Site Remediation Supervisor

- Bernard Gill

Construction Manager

- Dave D'Armond

Others

- Chad Hawthorn

Integrays Peoples Gas Personnel Onsite

- Mike McFarland

Subcontractors Onsite

- Tecnica Environmental Services
- Interra
- North Shore Environmental

Others

- Natural Resource Technology (NRT)
- Waste Management (Dave Weber) and Vito Pesoli (MT)

Miscellaneous Visitors

- Mark Norris (NSEC)
- Juan Marquez (TES)
- Mario Lipira, Shawn Thorson (Michels)
- Eric Grundman (Michels)

Site Activities

BURNS & MCDONNELL

- Managed site activities with Tecnica Environmental Services, North Shore Environmental, and Interra;
- Escorted Interra personnel during their site visit;
- Pumped and discharged 77,698 gallons of treated excavation water to MWRD;
- Issued truck tracking forms for all excavated soils from potential Area S, NW panhandle of U and south of S;
- Tracked 569 loads (10,727.68 tons) for Direct soils disposal at Laraway Landfill;
- Received 660 loads of CA-6 (15,021.15 tons) and 51 loads of CA-1 (1,160.86 tons) for backfill in Areas L, M, N, S, south of S, and AA;
- Surveyed finished sampling areas;
- Operated misting system on west property line, using a cherry scented spray;
- Participated in daily subcontractor pre-task analysis safety meetings on site;

- Conducted periodic health and safety air monitoring in excavation area with no significant PID readings from the site activities;
- Held the weekly site construction meeting with Supervisors of Subcontractors, Waste Management; and
- Monitored site conditions for traffic, dust, odors, and overall safety.

TECNICA ENVIRONMENTAL SERVICES

- Excavated and loaded out soils from potential Areas S, NW panhandle of U and south of S;
- Controlled odors through foaming (20 drums used) and wood chips;
- Actively suppressed dust on site through watering and haul road maintenance;
- Operated and maintained truck scale;
- Assisted BMcD in water treatment and misting system operation and maintenance;
- Continuously monitored site fencing, silt fence, and erosion control materials;
- Assisted NRT collecting samples in area south of S;
- Performed routine maintenance on decon pad, tracking pad, and haul roads;
- Continued breaking concrete generated from potential area south of S; and
- Continued backfill Areas L, M, N, AA, south of S, NW panhandle of U and S.

NORTH SHORE ENVIRONMENTAL

- Performed hydro excavation to determine depth and locations of high pressure lines on site for later pipe excavation.

INTERRA

- Performed compaction tests on CA-6 during backfill of Areas L, M, N, S, south of S, and AA.

Changes to Scope of Work

- Continued support for PGL pipe excavation currently on hold. Regular meeting with Peoples Gas Operations are taking place to plan future remediation around the high pressure gas pipes.
- Additional excavation south of Area U due to visual source material outside the original scope.

Open/Outstanding Items

- Repair of the blown down portions of 12-foot high fence as a result of the violent storm that went through. Additional bracing system for the fence is being proposed.

Anticipated Activities for the Week of August 12, 2012

- Continue backfilling areas south of S, S and NW panhandle of U;
- Excavate in 10 foot increments south of original U;
- Excavate and load out soils in areas south of S, and U;
- Begin repairs to the damaged section of the 12-foot fence;
- Begin process to change out the GAC in the Waste Water Treatment System; and
- Continue to operate and maintain misting system.



Crawford Station Site:

Remediation

Date: August 7, 2012

Description: Looking south from potential Area S. Tecnica continued to control odors through foaming and wood chips during excavation.



Crawford Station Site:

Remediation

Date: August 7, 2012

Description: Looking northeast from Waste Water Treatment pad, Tecnica at design depth of the eastern half of potential area south of S. Tecnica cleaned the bottom of excavation for soil sample collection and later backfill.



Crawford Station Site:

Remediation

Date: August 7, 2012

Description: View from Area AA looking northeast, Tecnica started backfilling areas south of S and S with CA-1 and CA-6. Interra will perform compaction testing on 1-foot lifts of CA-6 during backfill activities.



Crawford Station Site:

Remediation

Date: August 9, 2012

Description: Looking south from Area S, Tecnica cleaning bottom of area U excavation and south wall for later soil sample collection.